

WHAT IS CLAIMED IS

1. A method for managing data in a distributed computing system, said method comprising:

5 receiving a first module which identifies a plurality of modules for use by
 an application;

 receiving additional data corresponding to said application, wherein said
 additional data identifies fewer than all of said plurality of modules
 and identifies an update to be made to one or more of said first
10 module and said plurality of modules; and
 performing said update.

2. The method of claim 1, wherein said first module comprises a main directory
15 module which is pushed, and wherein said additional data comprises a delta
 directory module which corresponds to said main directory module.

3. The method of claim 2, wherein said received main directory module is stored
20 in a memory of a receiving device, and wherein said update comprises directly
 modifying said main directory module stored in memory.

4. The method of claim 3, wherein said delta directory includes an identifier
25 which indicates a version to which said main directory is updated in response
 to performing said update identified by said delta directory.

5. The method of claim 4, wherein in response to performing said update,
30 corresponding changes are effected in one or more of said plurality of
 modules, said corresponding changes being selected from the group
 consisting of: the addition of a new module; the removal of an existing
 module; and revisions to an existing module.

6. The method of claim 5, wherein said plurality of modules comprise one or both of executable application code or data for access by said application during execution.
- 5 7. The method of claim 1, wherein said first module is pushed and wherein said method further comprises said application utilizing said additional data to register changes to the first module.
8. The method of claim 7, wherein said additional data is pulled by said
10 application.
9. A receiving device comprising:
receiving circuitry configured to:
receive a first module which identifies a plurality of modules for
15 use by an application;
receive said plurality of modules; and
receive additional data corresponding to said application, wherein
said additional data identifies fewer than all of said
plurality of modules and identifies an update to be made to
20 one or more of said first module and said plurality of
modules;
- a processing unit configured to perform said update.
- 25 10. The receiving device of claim 9, wherein said first module comprises a main directory module which is pushed, and wherein said additional data comprises a delta directory module which corresponds to said main directory module.

11. The receiving device of claim 10, wherein said processing unit is configured to update said directory module by directly modifying said main directory module.
- 5 12. The receiving device of claim 11, wherein said delta directory includes an identifier which indicates a version to which said main directory is updated in response to performing said update identified by said delta directory.
- 10 13. The receiving device of claim 12, wherein in response to performing said update on the directory module, said processing unit is configured to effect corresponding changes to said plurality of modules, said changes being selected from the group consisting of: the addition of a new module; the removal of an existing module; and revisions to an existing module.
- 15 14. The receiving device of claim 12, wherein said plurality of modules comprise one or both of executable application code or data for access by said application during execution.
- 20 15. The receiving device of claim 9, wherein said first module and said plurality of modules are pushed to said receiving device by a broadcaster, and wherein said additional data is pulled by said application from an alternate source.
- 25 16. The receiving device of claim 9, wherein said first module is pushed to said receiving device, and wherein said application is not permitted to directly access said first module and is configured to utilize said additional data to register changes to the first module.
- 30 17. A broadcast station comprising:
an server configured to convey data for use by an application;
a transmitter configured to convey data for broadcast; and

a processing mechanism configured to:

generate a plurality of modules corresponding to said data;
generate a first module which identifies said plurality of modules;
convey said first module and said plurality of modules; and
5 determine a change to said plurality of modules is required;
generate a second module which identifies fewer than all of said
plurality of modules and which identifies said change; and
convey said second module.

10 18. The broadcast station of claim 17, wherein said first module comprises a main
directory module, and wherein said additional data comprises a delta directory
module.

15 19. The broadcast station of claim 18, wherein said processing mechanism is
further configured to:
generate an updated main directory module which reflects said change; and
convey said updated main directory subsequent to conveying said delta
directory module.

20 20. The broadcast station of claim 17, wherein said processing mechanism
comprises executable program instructions executed by a processor.

21. A computer accessible medium comprising program instructions, said
instructions being executable to:
25 receive a first module which identifies a plurality of modules for use by an
application;
receive additional data corresponding to said application, wherein said
additional data identifies fewer than all of said plurality of modules
and identifies an update to be made to one or more of said first
30 module and said plurality of modules; and

perform said update.

22. The computer accessible medium of claim 21, wherein said first module comprises a main directory module which is pushed, and wherein said
5 additional data comprises a delta directory module which corresponds to said main directory module, wherein the received main directory module is stored in a memory of a receiving device and said update comprises directly modifying said main directory module stored in memory.

10 23. The computer accessible medium of claim 22, wherein in response to performing said update, corresponding changes are effected in one or more of said plurality of modules, said corresponding changes being selected from the group consisting of: the addition of a new module; the removal of an existing module; and revisions to an existing module.

15 24. The computer accessible medium of claim 21, wherein said first module is pushed and wherein said application utilizes said additional data to register changes to the first module.

20 25. The computer accessible medium of claim 24, wherein said additional data is pulled by said application.